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DATE: Friday, February 20, 2004

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		<i>DB=PGPB,USPT,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	anti adj solvent same insulin and (solvent same ratio)	8
<input type="checkbox"/>	L1	anti adj solvent same insulin	12

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Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 20040018229 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 8

File: PGPB

Jan 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040018229

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040018229 A1

TITLE: Insoluble drug delivery

PUBLICATION-DATE: January 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Henriksen, Inge B.	Durham	NC	US	
Mishra, Awadesh K.	Durham	NC	US	
Pace, Gary W.	Durham	NC	US	
Johnston, Keith P.	Austin	TX	US	
Mawson, Simon	Austin	TX	US	

US-CL-CURRENT: [424/450](#); [264/5](#), [424/489](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 2. Document ID: US 20030013634 A1

L2: Entry 2 of 8

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030013634

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030013634 A1

TITLE: Synthesis of small particles

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Foster, Neil Russell	Cherrybrook		AU	
Regtop, Hubert Leonardus	Mittagong		AU	
Dehghani, Fariba	Rosebery		AU	

Bastami, Rana Taysir
Chan, Hak-Kim

Greenacre
North Sydney

AU
AU

US-CL-CURRENT: 514/1; 264/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 20020018815 A1

L2: Entry 3 of 8

File: PGPB

Feb 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020018815
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020018815 A1

TITLE: Methods and apparatus for fine particle formation

PUBLICATION-DATE: February 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sievers, Robert E.	Boulder	CO	US	
Karst, Uwe	Muenster		DE	

US-CL-CURRENT: 424/489; 264/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 4. Document ID: US 20010036480 A1

L2: Entry 4 of 8

File: PGPB

Nov 1, 2001

PGPUB-DOCUMENT-NUMBER: 20010036480
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010036480 A1

TITLE: Particulate drug-containing products and method of manufacture

PUBLICATION-DATE: November 1, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Etter, Jeffrey B.	Boulder	CO	US	

US-CL-CURRENT: 424/489; 264/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 5. Document ID: US 6669960 B2

L2: Entry 5 of 8

File: USPT

Dec 30, 2003

US-PAT-NO: 6669960

DOCUMENT-IDENTIFIER: US 6669960 B2

TITLE: Particulate drug-containing products and method of manufacture

DATE-ISSUED: December 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Etter; Jeffrey B.	Boulder	CO		

US-CL-CURRENT: 424/489; 424/400, 424/43, 424/45, 424/499, 514/2, 514/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6576264 B1

L2: Entry 6 of 8

File: USPT

Jun 10, 2003

US-PAT-NO: 6576264

DOCUMENT-IDENTIFIER: US 6576264 B1

TITLE: Insoluble drug delivery

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Henriksen; Inge B	Durham	NC		
Mishra; Awadesh K.	Durham	NC		
Pace; Gary W.	Durham	NC		
Johnston; Keith P.	Austin	TX		
Mawson; Simon	Austin	TX		

US-CL-CURRENT: 424/490; 424/489, 424/494, 424/496, 424/497, 424/498

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: US 6095134 A

L2: Entry 7 of 8

File: USPT

Aug 1, 2000

US-PAT-NO: 6095134

DOCUMENT-IDENTIFIER: US 6095134 A

TITLE: Methods and apparatus for fine particle formation

DATE-ISSUED: August 1, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sievers; Robert E.	Boulder	CO		
Karst; Uwe	Muenster			DE

US-CL-CURRENT: 128/200.14; 128/200.23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 8. Document ID: US 5639441 A

L2: Entry 8 of 8

File: USPT

Jun 17, 1997

US-PAT-NO: 5639441

DOCUMENT-IDENTIFIER: US 5639441 A

TITLE: Methods for fine particle formation

DATE-ISSUED: June 17, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sievers; Robert E.	Boulder	CO		
Karst; Uwe	Muenster			DE

US-CL-CURRENT: 424/9.3; 128/200.23, 239/2.1, 424/45, 424/46, 427/255.25, 427/255.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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Term	Documents
ANTI	525787
ANTIS	69
SOLVENT	827203
SOLVENTS	386285
INSULIN	50378
INSULINS	930
RATIO	1470570
RATIOS	296550
((INSULIN SAME (ANTI ADJ SOLVENT)) AND (SOLVENT SAME RATIO)).PGPB,USPT,EPAB,DWPI,TDBD.	8
(ANTI ADJ SOLVENT SAME INSULIN AND (SOLVENT SAME	

RATIO)).PGPB,USPT,EPAB,DWPI,TDBD.

8

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=> s insulin and (anti-solvent? or cosolvent?) and (first (w) solvent and second (w) solvent) and ((methylene (w) chloride) or dichloromethan or (methylene (w) dichloride))

L1	0 FILE AGRICOLA
L2	0 FILE ALUMINIUM
L3	0 FILE ANABSTR
L4	0 FILE APOLLIT
L5	0 FILE AQUIRE
L6	0 FILE BABS
L7	0 FILE BIOCOMMERCE
L8	0 FILE BIOTECHNO
L9	0 FILE CABA
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L91 4 INSULIN AND (ANTI-SOLVENT? OR COSOLVENT?) AND (FIRST (W) SOLVENT
 AND SECOND (W) SOLVENT) AND ((METHYLENE (W) CHLORIDE) OR DICHLO
 ROMETHAN OR (METHYLENE (W) DICHLORIDE))

=> d l91 ibib abs

L91 ANSWER 1 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2004:31868 USPATFULL
 TITLE: 3-methylidenyl-2-indolinone modulators of protein
 kinase
 INVENTOR(S): Tang, Pen Cho, Moraga, CA, UNITED STATES
 Sun, Li, Foster City, CA, UNITED STATES
 Miller, Todd Anthony, Bend, OR, UNITED STATES
 Liang, Congxin, Sunnyvale, CA, UNITED STATES
 Tran, Ngoc My, Redwood City, CA, UNITED STATES
 Nguyen, Anh Thi, Fremont, CA, UNITED STATES
 Nematalla, Asaad, Walnut Creek, CA, UNITED STATES
 PATENT ASSIGNEE(S): Sugan, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004024010	A1	20040205
APPLICATION INFO.:	US 2003-383690	A1	20030310 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-762198, filed on 5 Feb 2001, GRANTED, Pat. No. US 6531502 A 371 of International Ser. No. WO 1999-US17845, filed on 4 Aug 1999, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-95470P	19980805 (60)
	US 1998-102178P	19980928 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FOLEY AND LARDNER, SUITE 500, 3000 K STREET NW, WASHINGTON, DC, 20007	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	

LINE COUNT: 10799

AB The present invention relates to novel 3-methylidenyl-2-indolinone compounds and physiologically acceptable salts and prodrugs thereof which modulate the activity of protein kinases and therefore are expected to be useful in the prevention and treatment of protein kinase related cellular disorders such as cancer.

=> d 191 1-4 ibib abs

L91 ANSWER 1 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2004:31868 USPATFULL
TITLE: 3-methylidenyl-2-indolinone modulators of protein kinase

INVENTOR(S): Tang, Pen Cho, Moraga, CA, UNITED STATES
Sun, Li, Foster City, CA, UNITED STATES
Miller, Todd Anthony, Bend, OR, UNITED STATES
Liang, Congxin, Sunnyvale, CA, UNITED STATES
Tran, Ngoc My, Redwood City, CA, UNITED STATES
Nguyen, Anh Thi, Fremont, CA, UNITED STATES
Nematalla, Asaad, Walnut Creek, CA, UNITED STATES
PATENT ASSIGNEE(S): Sugan, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004024010	A1	20040205
APPLICATION INFO.:	US 2003-383690	A1	20030310 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-762198, filed on 5 Feb 2001, GRANTED, Pat. No. US 6531502 A 371 of International Ser. No. WO 1999-US17845, filed on 4 Aug 1999, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-95470P	19980805 (60)
	US 1998-102178P	19980928 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FOLEY AND LARDNER, SUITE 500, 3000 K STREET NW, WASHINGTON, DC, 20007	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
LINE COUNT:	10799	

AB The present invention relates to novel 3-methylidenyl-2-indolinone compounds and physiologically acceptable salts and prodrugs thereof which modulate the activity of protein kinases and therefore are expected to be useful in the prevention and treatment of protein kinase related cellular disorders such as cancer.

L91 ANSWER 2 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2004:30724 USPATFULL
TITLE: Process for production of nanoparticles and microparticles by spray freezing into liquid
INVENTOR(S): Williams, Robert O., III, Austin, TX, UNITED STATES
Johnston, Keith P., Austin, TX, UNITED STATES
Young, Timothy J., Midland, MI, UNITED STATES
Rogers, True L., Midland, MI, UNITED STATES
Barron, Melisa K., San Francisco, CA, UNITED STATES
Yu, Zhongshui, Austin, TX, UNITED STATES
Hu, Jiahui, Austin, TX, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004022861	A1	20040205

APPLICATION INFO.: US 2002-273730 A1 20021018 (10)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 2002-US2894, filed
on 30 Jan 2002, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-345473P	20011019 (60)
	US 2001-264988P	20010130 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Tracey B. Davies, VINSON & ELKINS LLP, 2300 First City Tower, 1001 Fannin, Houston, TX, 77002-6760	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	29 Drawing Page(s)	
LINE COUNT:	2415	

AB The present invention provides a system and a method for the production of microparticles and nanoparticles of materials that can be dissolved. The system and method of the present invention provide quicker freezing times, which in turn produces a more uniform distribution of particle sizes, smaller particles, particles with increased porosity and a more intimate mixing of the particle components. The system and method of the present invention also produce particles with greater surface area than conventional methods. One form of the present invention provides a method for the preparation of particles. An effective ingredient is mixed with water, one or more solvents, or a combination thereof, and the resulting mixture is sprayed through an insulating nozzle located at or below the level of a cryogenic liquid. The spray generates frozen particles.

L91 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2002:322097 USPATFULL
TITLE: Anti-inflammatory agents and methods for their
preparation and use
INVENTOR(S): Mak, Vivien H.W., Palo Alto, CA, UNITED STATES
Francoeur, Michael L., Cupertino, CA, UNITED STATES
Chavdarian, Charles G., San Ramon, CA, UNITED STATES
Parks, Thomas P., San Mateo, CA, UNITED STATES
Lee, Jung-Chung, Sunnyvale, CA, UNITED STATES
Lee, Charles, Union City, CA, UNITED STATES
PATENT ASSIGNEE(S): Cellegy Pharmaceuticals, Inc., South San Francisco, CA,
94080 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002182260	A1	20021205
APPLICATION INFO.:	US 2002-96968	A1	20020311 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-322138, filed on 28 May 1999, PENDING Continuation-in-part of Ser. No. US 1998-87744, filed on 29 May 1998, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834		
NUMBER OF CLAIMS:	75		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	33 Drawing Page(s)		
LINE COUNT:	3449		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides concentrated inflammation modifiers obtained from various plant, animal, and mineral sources, and methods for the preparation of such concentrated inflammation modifiers. Also provided are methods of preventing and treating inflammation using the concentrated inflammation modifiers. The invention also provides methods of treating inflammation of the skin and mucosal membranes by

administering compositions that contain concentrated inflammation modifiers as active ingredients. The methods are useful for treating inflammatory diseases, as well as for reducing or eliminating inflammation that results from transdermal delivery of a drug, or from cosmetics and skin care products. The concentrated inflammation modifiers and methods are also useful for enhancing wound healing and skin aging.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L91 ANSWER 4 OF 4 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

ACCESSION NUMBER: 2001-581197 [65] WPIDS

CROSS REFERENCE: 2002-129731 [17]

DOC. NO. CPI: C2001-172184

TITLE: Preparation of particulate drug-containing material (e.g. **insulin**), by mixing a drug-containing solution with an antisolvent, and encapsulating to form aerosolizable particles for inhalation.

DERWENT CLASS: A96 B04 B07

INVENTOR(S): ETTER, J B

PATENT ASSIGNEE(S): (RXKI-N) RXKINETIX INC

COUNTRY COUNT: 94

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2001045731	A1	20010628	(200165)*	EN	63
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
AU 2001027291	A	20010703	(200165)		
EP 1242112	A1	20020925	(200271)	EN	
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2001045731	A1	WO 2000-US34436	20001218
AU 2001027291	A	AU 2001-27291	20001218
EP 1242112	A1	EP 2000-990240	20001218
		WO 2000-US34436	20001218

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2001027291	A Based on	WO 2001045731
EP 1242112	A1 Based on	WO 2001045731

PRIORITY APPLN. INFO: US 2000-604786 20000626; US 1999-469733
19991221

AN 2001-581197 [65] WPIDS

CR 2002-129731 [17]

AB WO 200145731 A UPAB: 20021105

NOVELTY - Method for making a drug-containing particulate product comprises: (a) contacting a drug-containing feed solution (comprising the drug in a **cosolvent** system of at least 2 organic solvents) with a compressed **anti-solvent** fluid to precipitate drug-containing particles; and (b) separating the drug-containing particles from the **anti-solvent** fluid.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

(1) a particulate product for pulmonary delivery of a drug comprising a powder batch of particles including at least 1 drug. The powder batch has a tap density of 0.1-0.5 g/cm³ and is aerosolizable by an inhaler to give an aerosol having dispersed drug particles of mass median aerodynamic diameter of less than 6 microns in a carrier gas;

(2) a method for generating an aerosol for pulmonary delivery of a drug by aerosolizing drug-containing particles;

(3) a particulate product comprising a multicomponent material including a drug and a biocompatible polymer and having a degree of drug encapsulation of at least 30%. The particulate product is aerosolizable by an inhaler to give an aerosol having dispersed drug particles of mass median aerodynamic diameter of less than 6 microns; and

(4) an apparatus for generating a drug-containing aerosol for pulmonary delivery, comprising an inhaler containing particulate material, the inhaler being able to aerosolize the particles to give a drug-containing aerosol.

ACTIVITY - Antidiabetic.

MECHANISM OF ACTION - None given.

USE - Drug-containing particles (especially containing **insulin**) are useful for aerosolizing in an inhaler, for treating diabetic patients.

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